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OM protein - protein search, using sw model

Run on: August 9, 2003, 16:29:18 ; Search time 17.3714 Seconds
(without alignments)
129.893 Million cell updates/sec

Title: US-09-905-691-2

Perfect score: 19
Sequence: 1 ARAARRAARRAARRA 19

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 451899 seqs, 118759770 residues

Word size: 0

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: PublishedApplications_AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 10 | 52.6 | 11 | 10 | US-09-949-196-19 |
| 2 | 10 | 52.6 | 11 | 11 | US-09-882-291-47 |
| 3 | 10 | 52.6 | 11 | 11 | US-09-775-052-6 |
| 4 | 10 | 52.6 | 11 | 15 | US-10-229-915-24 |
| 5 | 9 | 47.4 | 11 | 10 | US-09-949-196-18 |
| 6 | 9 | 47.4 | 11 | 11 | US-09-882-291-46 |
| 7 | 9 | 47.4 | 11 | 11 | US-09-775-052-5 |
| 8 | 9 | 47.4 | 11 | 11 | US-09-847-946A-128 |
| 9 | 9 | 47.4 | 11 | 11 | US-09-847-946A-129 |
| 10 | 9 | 47.4 | 11 | 15 | US-10-077-555-6 |
| 11 | 9 | 47.4 | 11 | 15 | US-10-229-915-23 |
| 12 | 9 | 47.4 | 17 | 11 | US-09-847-946A-146 |
| 13 | 9 | 47.4 | 17 | 11 | US-09-847-946A-147 |
| 14 | 9 | 47.4 | 22 | 10 | US-09-949-196-28 |
| 15 | 9 | 47.4 | 22 | 10 | US-09-949-196-29 |

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| 16 | 9 | 47.4 | 22 | 10 | US-09-949-196-30 | Sequence 30, Appl |
| 17 | 9 | 47.4 | 22 | 10 | US-09-949-196-31 | Sequence 31, Appl |
| 18 | 9 | 47.4 | 22 | 10 | US-09-949-196-40 | Sequence 40, Appl |
| 19 | 9 | 47.4 | 22 | 10 | US-09-949-196-41 | Sequence 41, Appl |
| 20 | 9 | 47.4 | 22 | 10 | US-09-949-196-42 | Sequence 42, Appl |
| 21 | 9 | 47.4 | 22 | 10 | US-09-949-196-43 | Sequence 43, Appl |
| 22 | 9 | 47.4 | 22 | 11 | US-09-847-946A-139 | Sequence 139, App |
| 23 | 9 | 47.4 | 105 | 16 | US-10-080-170-339 | Sequence 339, App |
| 24 | 8 | 42.1 | 275 | 15 | US-10-156-761-7735 | Sequence 7735, Ap |
| 25 | 8 | 42.1 | 450 | 15 | US-10-188-246-12 | Sequence 12, Appl |
| 26 | 8 | 42.1 | 877 | 15 | US-10-156-761-13758 | Sequence 13758, A |
| 27 | 8 | 42.1 | 3011 | 10 | US-09-338-076-20 | Sequence 20, Appl |
| 28 | 8 | 42.1 | 3011 | 11 | US-09-995-937-20 | Sequence 20, Appl |
| 29 | 8 | 42.1 | 3011 | 11 | US-09-917-563-20 | Sequence 20, Appl |
| 30 | 7 | 36.8 | 11 | 15 | US-10-136-738-5 | Sequence 5, Appl1 |
| 31 | 7 | 36.8 | 120 | 10 | US-09-736-457-797 | Sequence 757, App |
| 32 | 7 | 36.8 | 120 | 10 | US-09-902-941-797 | Sequence 797, App |
| 33 | 7 | 36.8 | 120 | 10 | US-09-849-626-797 | Sequence 797, App |
| 34 | 7 | 36.8 | 120 | 15 | US-10-017-754-797 | Sequence 797, App |
| 35 | 7 | 36.8 | 182 | 15 | US-10-156-761-13634 | Sequence 13634, A |
| 36 | 7 | 36.8 | 215 | 15 | US-10-156-761-12773 | Sequence 12773, A |
| 37 | 7 | 36.8 | 224 | 15 | US-10-156-761-7796 | Sequence 7796, Ap |
| 38 | 7 | 36.8 | 276 | 10 | US-09-738-626-4645 | Sequence 4645, Ap |
| 39 | 7 | 36.8 | 287 | 15 | US-10-156-761-13402 | Sequence 13402, A |
| 40 | 7 | 36.8 | 326 | 15 | US-10-156-761-10193 | Sequence 10193, A |
| 41 | 7 | 36.8 | 329 | 15 | US-10-156-761-9691 | Sequence 9691, A |
| 42 | 7 | 36.8 | 359 | 14 | US-10-055-364-48 | Sequence 48, Appl |
| 43 | 7 | 36.8 | 361 | 10 | US-09-931-381A-20 | Sequence 20, Appl |
| 44 | 7 | 36.8 | 362 | 10 | US-09-931-381A-18 | Sequence 18, Appl |
| 45 | 7 | 36.8 | 362 | 10 | US-09-898-751A-2 | Sequence 2, Appl1 |

ALIGNMENTS

RESULT 1
US-09-949-196-19
; Sequence 19, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc25A
; TITLE OF INVENTION: TO DNA DAMAGE
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequen
US-09-949-196-19

Query Match 52.6%; Score 10; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.01;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAARA 10
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DB 2 ARAARRAARA 11

RESULT 2
US-09-882-291-47
; Sequence 47, Application US/09882291
; Publication No. US20030040472A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: NO. US20030040472A1el Peptide Conjugates
; FILE REFERENCE: 007-2001

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; CURRENT APPLICATION NUMBER: US/09/882,291
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 47
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
US-09-882-291-47

Query Match          52.6%; Score 10; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAARA 10
Db 2 ARAARRAARA 11

RESULT 3
US-09-775-052-6
; Sequence 6, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/059,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-6

Query Match          52.6%; Score 10; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAARA 10
Db 2 ARAARRAARA 11

RESULT 4
US-10-229-915-24
; Sequence 24, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; FILE REFERENCE: PPI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 11
; TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-24

Query Match          52.6%; Score 10; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAARA 10
Db 2 ARAARRAARA 11

RESULT 5
US-09-949-196-18
; Sequence 18, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc35A IN
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 18
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
US-09-949-196-18

Query Match          47.4%; Score 9; DB 10; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10

RESULT 6
US-09-882-291-46
; Sequence 46, Application US/09882291
; Publication No. US20030040472A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: No. US20030040472A1e1 Peptide Conjugates
; FILE REFERENCE: 007-2001
; CURRENT APPLICATION NUMBER: US/09/882,291
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 46
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
US-09-882-291-46

Query Match          47.4%; Score 9; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10
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RESULT 7

US-09-775-052-5
; Sequence 5, Application US/09775052
; Publication No. US20030054000A1
; GENERAL INFORMATION:
; APPLICANT: Dowdy, Steven F.
; TITLE OF INVENTION: ANTI-PATHOGEN SYSTEM AND METHODS OF USE THEREOF
; FILE REFERENCE: 48881/1742
; CURRENT APPLICATION NUMBER: US/09/775,052
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 09/208,966
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: 60/082,402
; PRIOR FILING DATE: 1998-04-20
; PRIOR APPLICATION NUMBER: 60/069,012
; PRIOR FILING DATE: 1997-12-10
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 11
; TYPE: PRT
; ORGANISM: human
US-09-775-052-5

Query Match 47.4%; Score 9; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10

RESULT 8

US-09-847-946A-128
; Sequence 128, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 128
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:membrane
US-09-847-946A-128

Query Match 47.4%; Score 9; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10

RESULT 9

US-09-847-946A-129

; Sequence 129, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 129
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:membrane
US-09-847-946A-129

Query Match 47.4%; Score 9; DB 11; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10

RESULT 10

US-10-077-555-6
; Sequence 6, Application US/10077555
; Publication No. US20030077289A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Rong-fu
; TITLE OF INVENTION: Use of Cell-Penetrating Peptides to Generate Antitumor Immu
; FILE REFERENCE: P02373US1/10200806
; CURRENT APPLICATION NUMBER: US/10/077,555
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/268,687
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-077-555-6

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Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAAR 9
Db 2 ARAARRAAR 10

RESULT 11

US-10-229-915-23
; Sequence 23, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas

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; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; FILE REFERENCE: PPI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-23

Query Match 47.4%; Score 9; DB 15; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAR 9
Db 2 ARAARRAR 10

RESULT 12
US-09-847-946A-146
; Sequence 146, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Fintel, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 146
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
; OTHER INFORMATION: Sequence: anti-inflammatory compound
US-09-847-946A-146

Query Match 47.4%; Score 9; DB 11; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAR 9
Db 2 ARAARRAR 10

RESULT 13
US-09-847-946A-147
; Sequence 147, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Fintel, Mark A
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; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 147
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
; OTHER INFORMATION: Sequence: anti-inflammatory compound
US-09-847-946A-147

Query Match 47.4%; Score 9; DB 11; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAR 9
Db 2 ARAARRAR 10

RESULT 14
US-09-949-196-28
; Sequence 28, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc25A IN
; FILE REFERENCE: 55888 (45487)
; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
; NAME/KEY: BINDING
; LOCATION: (22)..(22)
; OTHER INFORMATION: NH2
US-09-949-196-28

Query Match 47.4%; Score 9; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARAARRAR 9
Db 2 ARAARRAR 10

RESULT 15
US-09-949-196-29
; Sequence 29, Application US/09949196
; Patent No. US20020147145A1
; GENERAL INFORMATION:
; APPLICANT: Zealand Pharmaceuticals A/S
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO THE DEGRADATION OF Cdc25A IN
; FILE REFERENCE: 55888 (45487)
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; CURRENT APPLICATION NUMBER: US/09/949,196
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide sequence
; NAME/KEY: BINDING
; LOCATION: (22)..(22)
; OTHER INFORMATION: NH2
US-09-949-196-29

Query Match      47.4%; Score 9; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2 ARAARRAAR 10

Search completed: August 9, 2003, 16:36:31
Job time : 18.3714 secs
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at